

UNITED STATES GOVERNMENT

# Memorandum

#76016

TO : Dick Wold, Jim Robb

DATE: 28 October 1976

FROM : Dick Sylwester

FAY 016

CRUISE REPORT

SUBJECT: Test Cruise Corpus to Port Everglades

## Mobilization

The gravity hut and seismic reflection equipment arrived in Corpus Christi on May 25th. All equipment was installed and checked at the dock before getting underway on June 2, which was 1 day ahead of schedule. Early departure was made possible by the large number of people Coastal Ironworks made available for welding, wiring, etc.

## Test Cruise

31 May 76

- 1) 3.5KHz: We were able to obtain the bottom in a water depth of 1500 fathoms, so it seems we have corrected the low signal return problem. In shallower water (100 fathoms) the bottom return was extremely good although no sub-bottom penetration was observed. This was most likely due to the nature of the bottom ie. no muds. We still are having a problem with the bottom track and PDD - readout since occasionally we loose track and the readout shows meaningless numbers. This must be corrected since the navigation system receives its depth from this unit. Frank will work on it during the first cruise. We suspect its operator problem.

2055Z 31 05 76 Leave Corpus

2236Z 05 06 76 Ar Port Everglades

Corrected by P. Parks

from cruise log

JR 8 Dec 76

- 2) Sparker: The new teledyne sparker system has not arrived; therefore, evaluation of this system will not take place until later in June upon arrival of the entire system.
- 3) Air-Guns: The new air-gun array consisting of an 80, 40 and 20 cubic inch gun with a separately towed 120 inch gun was operated for 6 hours. This array provided good results using the SEI streamer, Raytheon Recorder and Teledyne Amplifier.
- 4) Gradiometer: The Geometrics Gradiometer System was operated for 6 hours under the supervision of P. Parks. Results of the test were good.



5010-110

3/16/77 - Scientific Party - 7 People (6 USGS)  
Phone call  
by NGB

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

Subj: Test Cruise Corpus Christi to Port Everglades

Termination of Cruise

The FAY arrived in Fort Lauderdale on June 4th, with all equipment operational and successfully tested.

05 06 76